Ii. Claim Amendments

1. (currently amended) A method ~~for providing a telecommunication service in a wireless telecommunication system which comprises at least one wireless local network, at least one public mobile network, at least one mobile station supporting both of the networks and at least one terminal, the method~~ comprising ~~the steps of~~:

attaching a mobile station to a first~~local~~ network and transmitting a first ~~data transmission~~ service request for communication with a terminal;

~~checking availability of the requested data transmission service and reachability of the terminal in the local network in response to the mobile station being attached to the local network and data transmission being desired requested between the mobile station and the terminal, ;~~

transmitting a second ~~data transmission~~ service request from the mobile station to ~~the~~ a second ~~public mobile~~ network in response to at least one of the data transmission service not being providable substantially in accordance with the first ~~data transmission~~ service request and~~/or~~ the terminal not being reachable via the first~~local~~ network.

2. (original) A method as claimed in claim 1, wherein a primary network is determined in the mobile station, the primary network determined in the mobile station is checked when a need arises to transfer data between the terminal and the mobile station, and the availability of the requested data transmission service and the reachability of the terminal first in the primary network are checked in response to the mobile station being located in the coverage area of the primary network.

3. (currently amended) A method as claimed in claim 1, wherein the mobile station checks whether the terminal belongs to the first~~local~~ network in response to the mobile station being attached to the ~~loca~~first~~l~~ network and data transmission being desired between the mobile station and the terminal, the service request is transmitted from the

mobile station to the first~~local~~ network in response to the terminal belonging to the first~~local~~ network, or the service request is transmitted to the ~~public mobile~~ second network.

4. (original) A method as claimed in claim 1, wherein a service request is transmitted from the mobile station to the local network, the availability of the requested data transmission service and the reachability of the terminal are checked, a message is transmitted from the local network to the mobile station in response to the data transmission service not being providable substantially in accordance with the service request and/or the terminal not being reachable via the local network, and the service request is transmitted from the mobile station to the public mobile network in response to said message received from the local network.

5. (original) A method as claimed in claim 4, wherein said message comprises a command to transmit the service request to another network.

6. (original) A method as claimed in claim 5, wherein the local network determines the network whereto the mobile station should send the service request, said message comprises a command to transmit the service request to the determined public mobile network, and the service request is transmitted to the public mobile network determined in said message.

7. (original) A method as claimed in claim 4, wherein the mobile station maintains a list on networks wherefrom services are sought, the mobile station determines, in response to said message, the network whereto the service request should be transmitted, and the service request is transmitted to the public mobile network determined on the basis of the list.

8. (original) A method as claimed in claim 4, wherein a location database of the local network is checked to determine whether the terminal of the called number included in the service request is attached to the local network, and said message is transmitted

from the local network to the mobile station in response to the terminal not being attached to the local network.

9. (original) A method as claimed in claim 8, wherein the called number is associated in the location database with a second number, said message comprises the second number, and the service request comprising said second number is transmitted to the public mobile network.

10. (original) A method as claimed in claim 1, wherein the mobile station also measures signal levels of base transceiver stations or access points comprised by the local network in response to the public mobile network providing data transmission service to the mobile station, a service request is transmitted from the mobile station to the local network for obtaining the data transmission service in response to the access point or base transceiver station of the local network providing a sufficient signal level, the availability of the data transmission service and the reachability of the terminal in the local network are checked, a connection to the terminal via the local network is established in response to the data transmission service being providable substantially in accordance with the service request and the terminal being reachable via the local network, and the connection to the terminal via the public mobile network is released.

11. (original) A method as claimed in claim 1, wherein the mobile station also measures signal levels of the base transceiver stations comprised by the public mobile network in response to the local network providing data transmission service to the mobile station, the service request is transmitted from the mobile station to the public mobile network in response to the signal levels of the measured access points or base transceivers stations of the local network being substantially lower than the signal level of the base transceiver station of the public mobile network, and the connection to the local network is released after establishing a connection to the terminal via the public mobile network.

12. (currently amended) A wireless telecommunication system comprising a wireless local network, at least one public mobile network, at least one mobile station supporting

both of the networks and at least one terminal, wherein the system is configured to check availability of a data transmission service and reachability of a terminal in the local network in response to the mobile station being attached to the local network and data transmission being desired between the mobile station and the terminal, the mobile station is configured to transmit a new data transmission service request to the public mobile network in response to the data transmission service not being providable substantially in accordance with ~~the~~ an original service request and/or the terminal not being reachable via the local network.

13. (original) A telecommunication system as claimed in claim 12, wherein the mobile station is configured to check whether the terminal belongs to the local network in response to the mobile station being attached to the local network and the data transmission being desired between the mobile station and the terminal, the mobile station is configured to transmit the service request to the local network in response to the terminal belonging to the local network, or the mobile station is configured to transmit the service request to the public mobile network.

14. (original) A telecommunication system as claimed in claim 12, wherein the mobile station is configured to transmit the service request to the local network, the local network is configured to check the availability of the requested data transmission service and the reachability of the terminal, the local network is configured to transmit a message to the mobile station in response to the data transmission service not being providable substantially in accordance with the service request and/or the terminal not being reachable via the local network, and the mobile station is configured to transmit the service request to he public mobile network in response to said message received from the local network.

15. (original) A telecommunication system as claimed in claim 14, wherein the local network is configured to determine the network whereto the mobile station should transmit the service request, the local network is configured to send a command in said message to transmit the service request to a determined public mobile network, and the

mobile station is configured to transmit the service request to the public mobile network determined in said message.

16. (original) A telecommunication system as claimed in claim 14, wherein the mobile system is configured to maintain a list on networks from which service is sought, in response to said message, the mobile station is configured to determine a network on the list, whereto the service request should be transmitted, and the mobile station is configured to transmit the service request to the public mobile network determined on the basis of the list.

17. (original) A telecommunication system as claimed in claim 12, wherein the local network supports IEEE802.11 standard or is based on GSM-standard-supporting base transceiver stations and radio access gateways performing protocol conversion between the IP network and the GSM network, and the public mobile network supports the GSM standard.

18. (currently amended) ~~A mobile communication device for establishing a data transmission connection to a wireless local network and to a public mobile network, comprising~~ An apparatus comprising: a transmitter ~~a mobile station~~ configured to transmit a first ~~data transmission~~ service request to ~~the~~ a first ~~local~~ network in response to the apparatus ~~mobile station~~ being attached to the first ~~local~~ network and data transmission being desired between the apparatus ~~mobile station~~ and a terminal, and wherein the ~~mobile station~~ transmitter ~~is~~ further configured to transmit ~~the~~ a second ~~data transmission~~ service request to the second ~~public mobile~~ network in response to at least one of the data transmission service not being providable in the first ~~local~~ network substantially in accordance with the first ~~data transmission~~ service request and/~~or~~ the terminal not being reachable via the first~~l~~ ~~ocal~~ network.

19. (currently amended) An apparatus ~~mobile station~~ as claimed in claim 18, wherein the apparatus ~~mobile station~~ is configured to check whether the terminal belongs to the first ~~local~~ network, and the transmitter ~~mobile station~~ is configured to transmit the

service request to the second ~~public mobile~~ network in response to the terminal belonging to the second ~~local~~ network.

20. (currently amended) An apparatus ~~mobile station~~ as claimed in claim 18, wherein the apparatus ~~mobile station~~ is configured to maintain a list on networks wherefrom service is sought, in response to a service reject message sent by the first ~~local~~ network, the apparatus ~~mobile station~~ is configured to determine a network on the list whereto the service request should be transmitted, and the transmitter ~~mobile station~~ is configured to transmit the service request to the second ~~public mobile~~ network determined on the basis of the list.

21.(currently amended) An apparatus comprising: ~~network element for a wireless local network, wherein~~

~~the~~ a receiver ~~network element~~ ~~is~~ configured to receive a first ~~data transmission~~ service request from a mobile station attached to ~~the~~ a first ~~local~~ network and requiring data transmission being between the mobile station and a terminal,

the apparatus ~~network element~~ ~~is~~ being further configured to check the availability of the requested data transmission service and the reachability of the terminal, and to transmit a message to the mobile station in response to at least one of the data transmission service not being providable substantially in accordance with the service request and/~~or~~ the terminal not being reachable via the first ~~local~~ network;

~~for evoking~~ the apparatus ~~network element~~ being further adapted to cause a second ~~data transmission~~ service request ~~transmission~~ to be transmitted from the mobile station to a second ~~public mobile~~ network, in response to the message. ~~the network element is configured to transmit a message to the mobile station in response to the data transmission service not being providable substantially in accordance with the service request and/or the terminal not being reachable via the local network.~~

22.(currently amended) An apparatus ~~network element~~ according to claim 22~~1~~, wherein the apparatus~~network element~~ is configured to determine the network whereto the mobile station should transmit the service request,

the apparatus~~network element~~ is configured to send a command in said message to transmit the service request to a determined second~~public mobile~~ network.

23.(currently amended) An apparatus ~~network element~~ according to claim 22~~1~~, wherein the apparatus~~network element~~ supports wireless local area network communications.

24. (new) An apparatus as claimed in claim 22, wherein the apparatus is configured to operate as part of a network element.

25. (new) An apparatus comprising:

Means for transmitting a first service request to a first network in response to the apparatus being attached to the first network and data transmission being desired between the apparatus and a terminal, and

means for transmitting a second service request to the second network in response to at least one of the data transmission service not being providable in the first network substantially in accordance with the first service request and the terminal not being reachable via the first network.

26.(new) An apparatus comprising:

means for receiving a first service request from a mobile station attached to a first network and requiring data transmission being between the mobile station and a terminal,

means for checking the availability of the requested data transmission service and the reachability of the terminal, and

means for transmitting a message to the mobile station in response to at least one of the data transmission service not being providable substantially in accordance with the service request and the terminal not being reachable via the first network;

means for adapting to cause a second service request to be transmitted from the mobile station to a second network, in response to the message.

27.(new) An apparatus according to claim 27, wherein the apparatus comprising means for determine the network whereto the mobile station should transmit the service request,